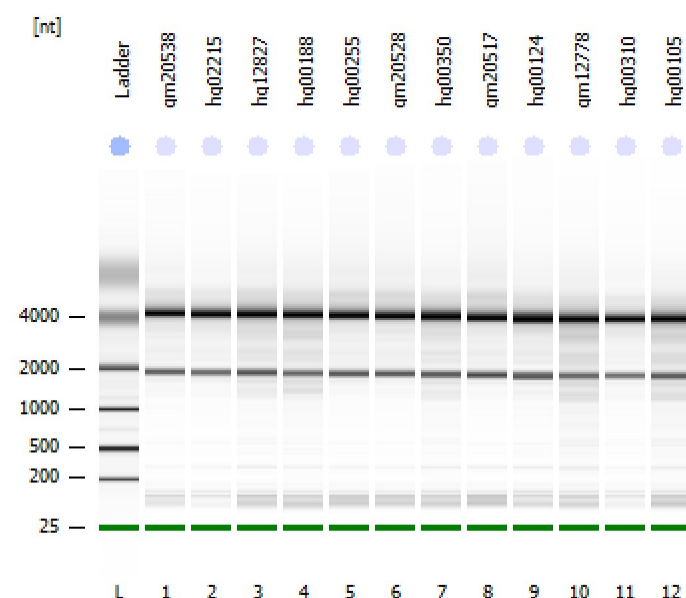


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-11_08-31-26.xad

Created: 10/11/2011 8:31:25 AM
Modified: 10/11/2011 8:55:19 AM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE04105537
Serial#: DE04105537

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

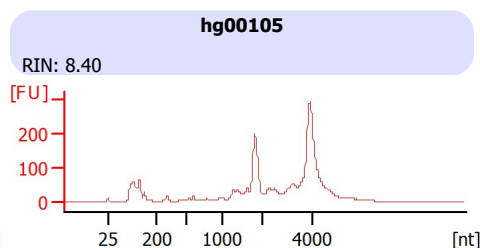
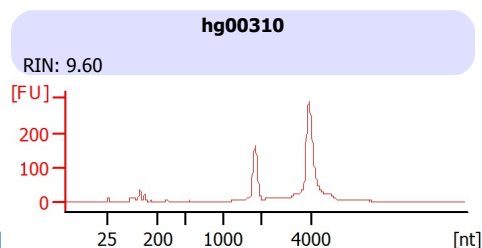
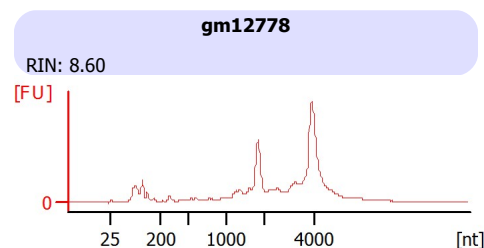
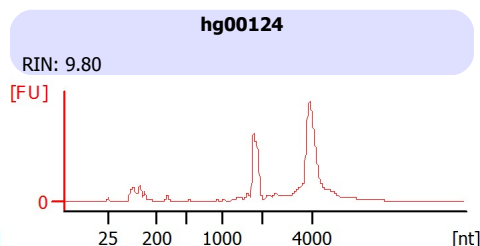
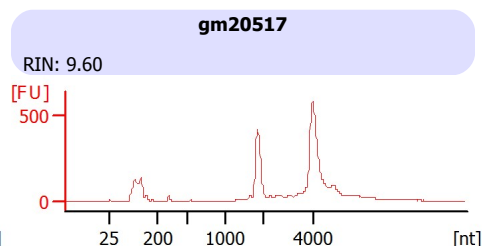
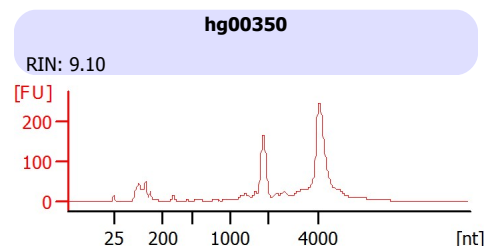
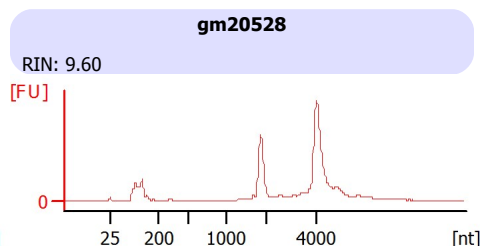
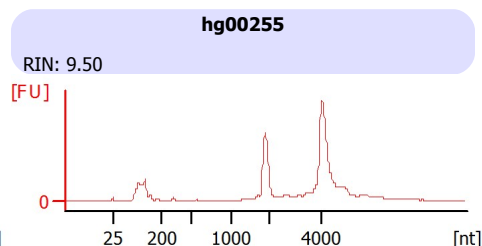
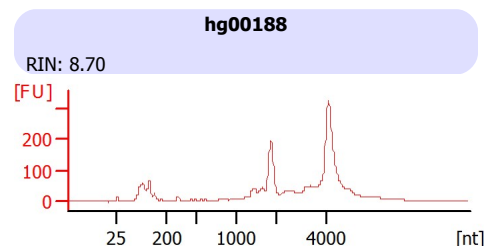
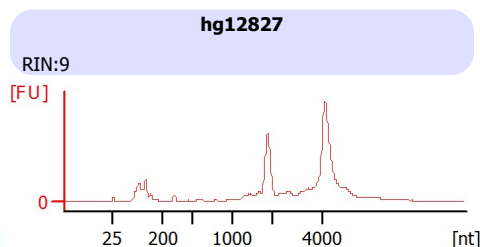
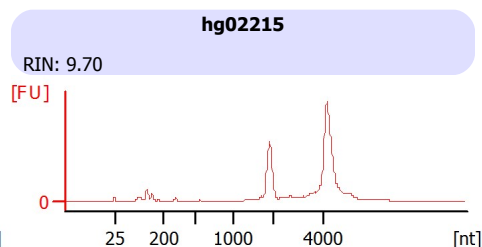
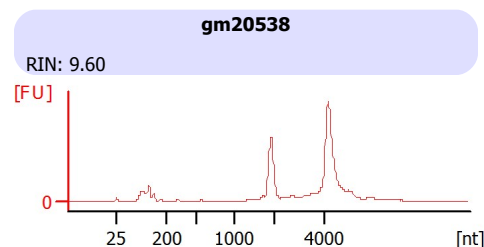
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-11_08-31-26.xad

Created: 10/11/2011 8:31:25 AM
Modified: 10/11/2011 8:55:19 AM

Electrophoresis File Run Summary (Chip Summary)

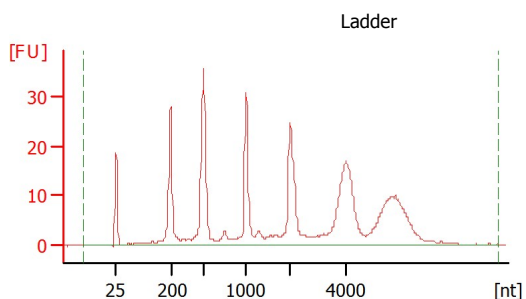
Sample Name	Sample Comment	Status	Result Label	Result Color
gm20538		✓	RIN: 9.60	
hg02215		✓	RIN: 9.70	
hg12827		✓	RIN:9	
hg00188		✓	RIN: 8.70	
hg00255		✓	RIN: 9.50	
gm20528		✓	RIN: 9.60	
hg00350		✓	RIN: 9.10	
gm20517		✓	RIN: 9.60	
hg00124		✓	RIN: 9.80	
gm12778		✓	RIN: 8.60	
hg00310		✓	RIN: 9.60	
hg00105		✓	RIN: 8.40	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-11_08-31-26.xad

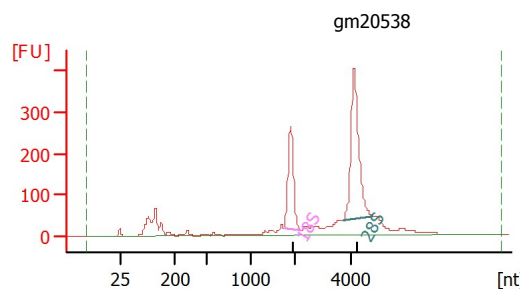
Created: 10/11/2011 8:31:25 AM
Modified: 10/11/2011 8:55:19 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 400.0
RNA Concentration: 150 ng/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

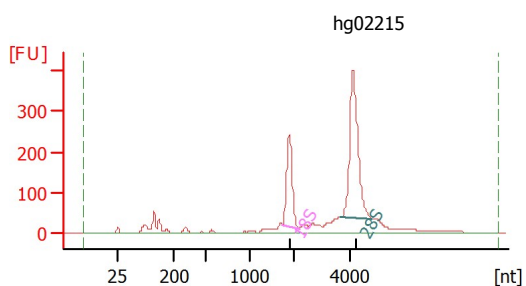


Overall Results for sample 1 : gm20538

RNA Area: 2,554.5
RNA Concentration: 958 ng/μl
rRNA Ratio [28s / 18s]: 1.7
RNA Integrity Number (RIN): 9.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.60

Fragment table for sample 1 : gm20538

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,772	2,241	442.2	17.3
28S	3,727	4,807	767.0	30.0

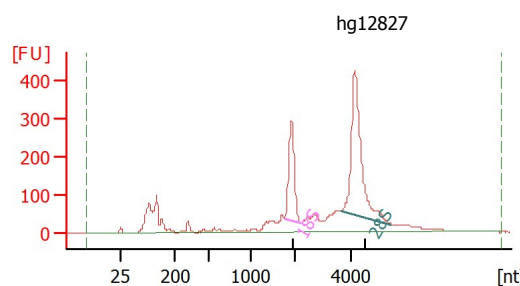


Overall Results for sample 2 : hg02215

RNA Area: 2,319.7
RNA Concentration: 870 ng/μl
rRNA Ratio [28s / 18s]: 1.9
RNA Integrity Number (RIN): 9.7 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.70

Fragment table for sample 2 : hg02215

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,758	2,200	411.0	17.7
28S	3,676	4,794	799.3	34.5



Overall Results for sample 3 : hg12827

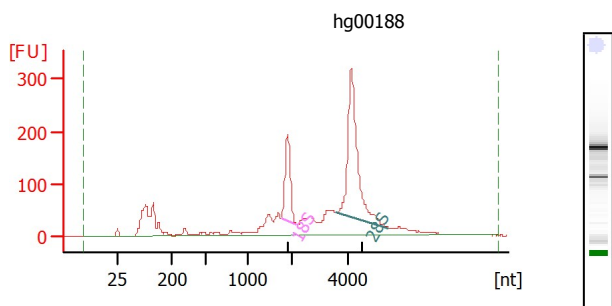
RNA Area: 3,567.2
RNA Concentration: 1,338 ng/μl
rRNA Ratio [28s / 18s]: 2.1
RNA Integrity Number (RIN): 9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9

Fragment table for sample 3 : hg12827

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,757	2,214	481.3	13.5
28S	3,603	5,411	998.2	28.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-11_08-31-26.xad

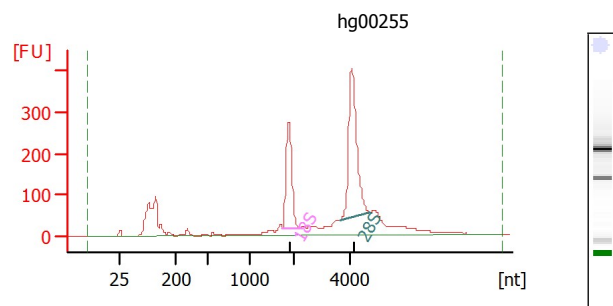
Created: 10/11/2011 8:31:25 AM
Modified: 10/11/2011 8:55:19 AM

Electropherogram Summary Continued ...**Overall Results for sample 4 : hg00188**

RNA Area: 2,697.4
RNA Concentration: 1,012 ng/μl
rRNA Ratio [28s / 18s]: 2.5
RNA Integrity Number (RIN): 8.7 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.70

Fragment table for sample 4 : hg00188

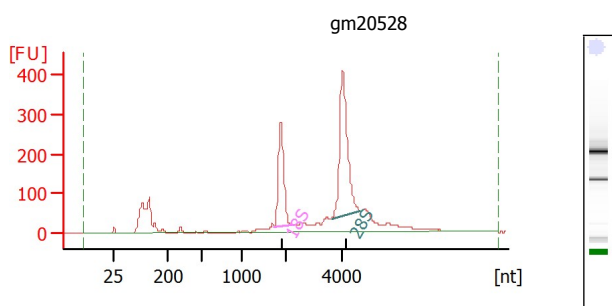
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,738	2,124	286.1	10.6
28S	3,573	5,426	717.1	26.6

**Overall Results for sample 5 : hg00255**

RNA Area: 2,908.8
RNA Concentration: 1,091 ng/μl
rRNA Ratio [28s / 18s]: 1.7
RNA Integrity Number (RIN): 9.5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.50

Fragment table for sample 5 : hg00255

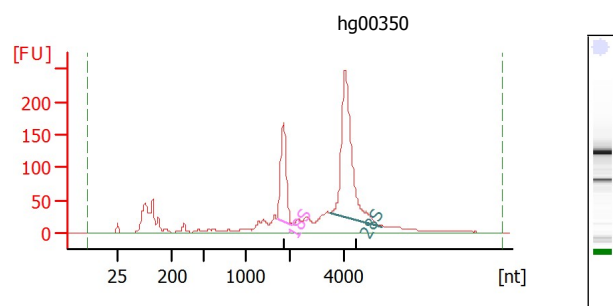
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,733	2,180	468.9	16.1
28S	3,639	4,691	787.9	27.1

**Overall Results for sample 6 : gm20528**

RNA Area: 2,878.4
RNA Concentration: 1,079 ng/μl
rRNA Ratio [28s / 18s]: 1.7
RNA Integrity Number (RIN): 9.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.60

Fragment table for sample 6 : gm20528

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,725	2,188	463.6	16.1
28S	3,617	4,681	795.9	27.7

**Overall Results for sample 7 : hg00350**

RNA Area: 2,047.6
RNA Concentration: 768 ng/μl
rRNA Ratio [28s / 18s]: 2.3
RNA Integrity Number (RIN): 9.1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.10

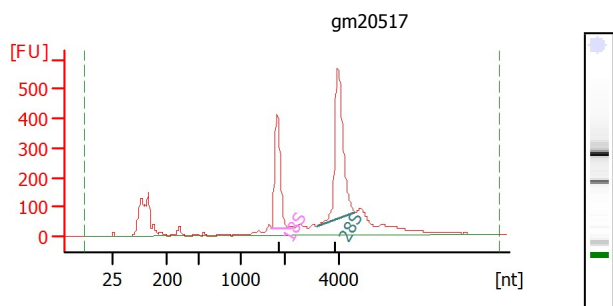
Fragment table for sample 7 : hg00350

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,713	2,096	275.1	13.4
28S	3,467	5,340	622.0	30.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-11_08-31-26.xad

Created: 10/11/2011 8:31:25 AM
 Modified: 10/11/2011 8:55:19 AM

Electropherogram Summary Continued ...

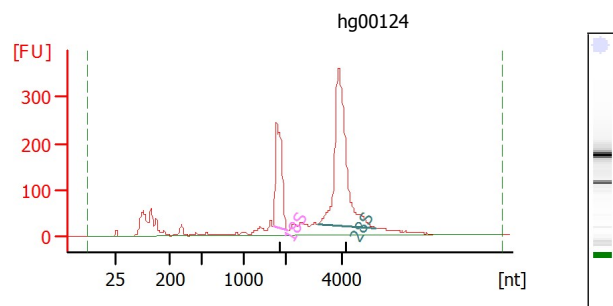


Overall Results for sample 8 : gm20517

RNA Area: 4,327.2
 RNA Concentration: 1,623 ng/μl
 rRNA Ratio [28s / 18s]: 1.7
 RNA Integrity Number (RIN): 9.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.60

Fragment table for sample 8 : gm20517

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,698	2,137	710.6	16.4
28S	3,210	4,590	1,186.3	27.4

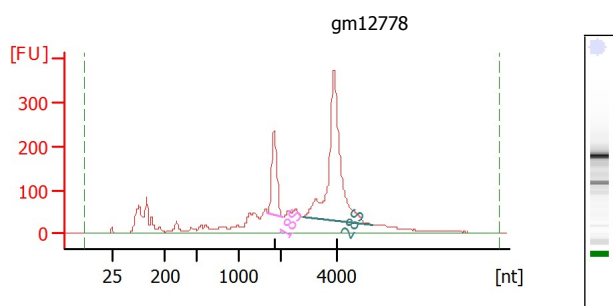


Overall Results for sample 9 : hg00124

RNA Area: 2,808.3
 RNA Concentration: 1,053 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 9.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.80

Fragment table for sample 9 : hg00124

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,697	2,059	473.3	16.9
28S	3,150	5,317	1,084.3	38.6

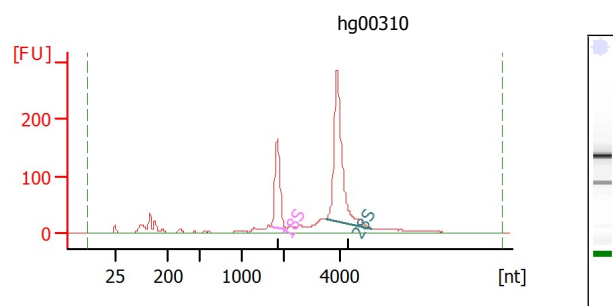


Overall Results for sample 10 : gm12778

RNA Area: 3,562.6
 RNA Concentration: 1,336 ng/μl
 rRNA Ratio [28s / 18s]: 3.4
 RNA Integrity Number (RIN): 8.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.60

Fragment table for sample 10 : gm12778

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,673	2,056	327.2	9.2
28S	2,766	5,343	1,112.1	31.2



Overall Results for sample 11 : hg00310

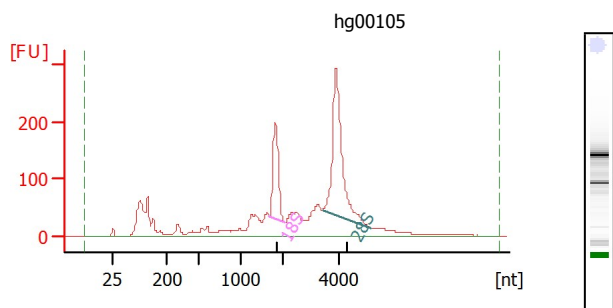
RNA Area: 1,602.4
 RNA Concentration: 601 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 9.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.60

Fragment table for sample 11 : hg00310

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,683	2,071	262.8	16.4
28S	3,537	5,173	590.8	36.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-11_08-31-26.xad

Created: 10/11/2011 8:31:25 AM
Modified: 10/11/2011 8:55:19 AM

Electropherogram Summary Continued ...**Overall Results for sample 12 : hg00105**

RNA Area: 2,784.2
RNA Concentration: 1,044 ng/μl
rRNA Ratio [28s / 18s]: 2.2
RNA Integrity Number (RIN): 8.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.40

Fragment table for sample 12 : hg00105

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,677	2,059	296.4	10.6
28S	3,442	5,194	661.3	23.8